

NALCO CHEMICAL COMPANY

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December 21, 1971

Cerro Copper & Brass Company
East St. Louis, Illinois

Attention: Mr. A. Suhre

Subject: BAF No. 5 Cooling Water System

Gentlemen:

In accordance with our recent conversation I am forwarding the information on the control equipment needed for the BAF No. 5 Cooling Water System.

For the automatic control of the cooling water concentration ratio and chemical feed we recommend a Nalcontrol System 75. This system continually monitors the tower concentration ratio and automatically provides for the concentration and chemical feed as required. A product bulletin which describes this system in detail is attached.

For introduction of chemical to the system, we recommend a Precision proportioning chemical pump. A suitable pump for this application would be Model 10611-61. The out-put capacity of this pump is 4 to 14 gallons per day and the injection pressure is 75 psi.

The Nalcontrol system is available f.o.b. Clearing, Illinois at \$230.00. The Precision pump is also available from Nalco f.o.b. Clearing, Illinois at \$151.70.

As discussed with you and Mr. Frank Eggers we recommend that this system be installed around the pump which returns the water from the furnace sump to the cooling tower. The product bulletin points out the suggested piping and tubing arrangement. If you have any question with regard to our recommendation please do not hesitate to contact me.

Yours very truly,

Donald L. Manlove

Donald L. Manlove
District Representative

DLM/gg
Encs.

cc: Mr. F. Eggers
Mr. P. Tandler
Mr. C. Hummel
Mr. W. Wiseman

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